

PATENT ABSTRACTS OF JAPAN

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(30)Priority

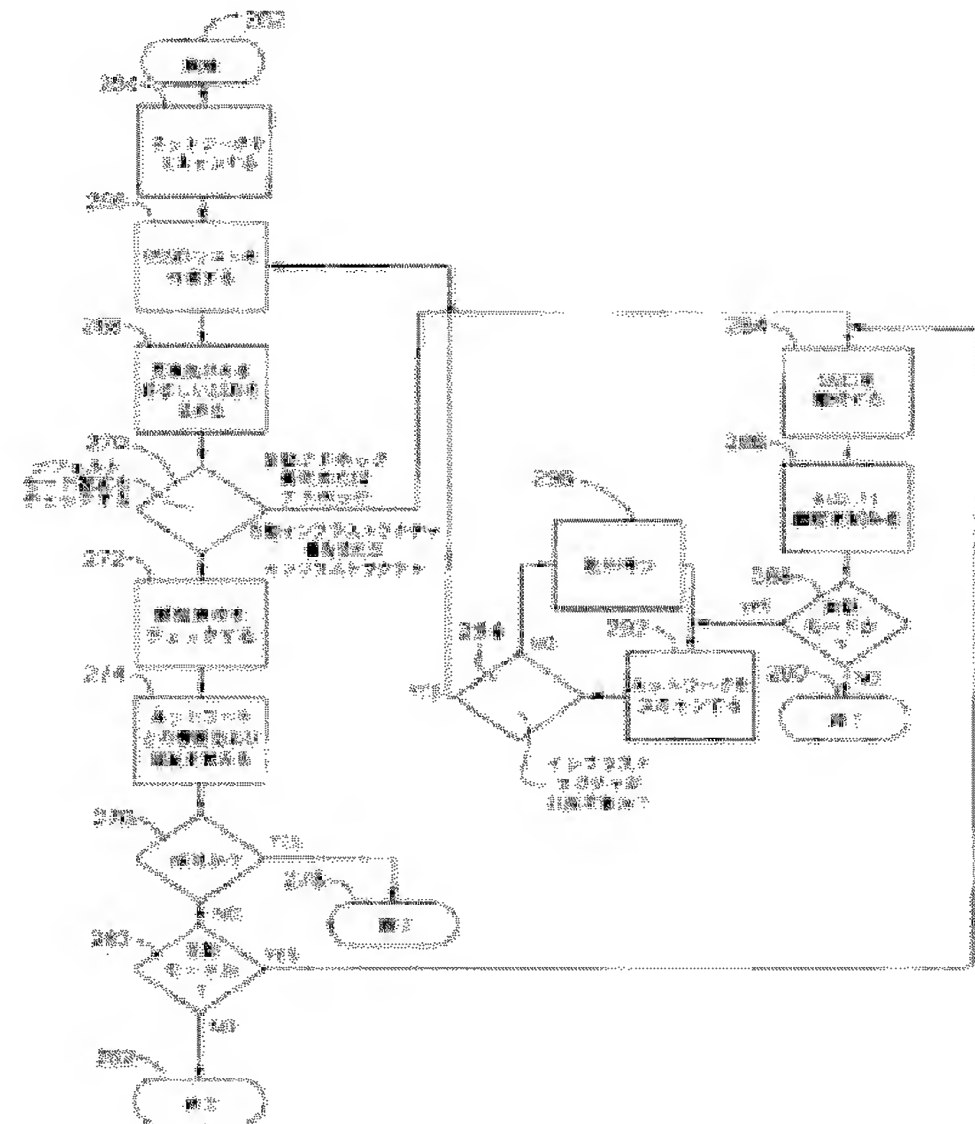
Priority number : **2001 805500** Priority date : **13.03.2001** Priority country : **US**

(54) ZERO CONFIGURATION METHOD AND STORAGE MEDIUM

(57)Abstract:

PROBLEM TO BE SOLVED: To enable a zero configuration nomadic wireless and wired computing environment.

SOLUTION: The system examines predefined user preferences or profile settings (Step 268), to determine to which of competing number of wireless networks available it should connect, and what type of authentication should be used for such a connection (step 274). In automatic mode, the user may set a preference for infrastructure (step 288) or and hoc modes (step 280); and in infrastructure mode preference set, if the user has previously operated off-line or in ad hoc mode (step 288), the system will automatically detect and transfer connectivity to a newly available infrastructure wireless network (steps 292-294-266).



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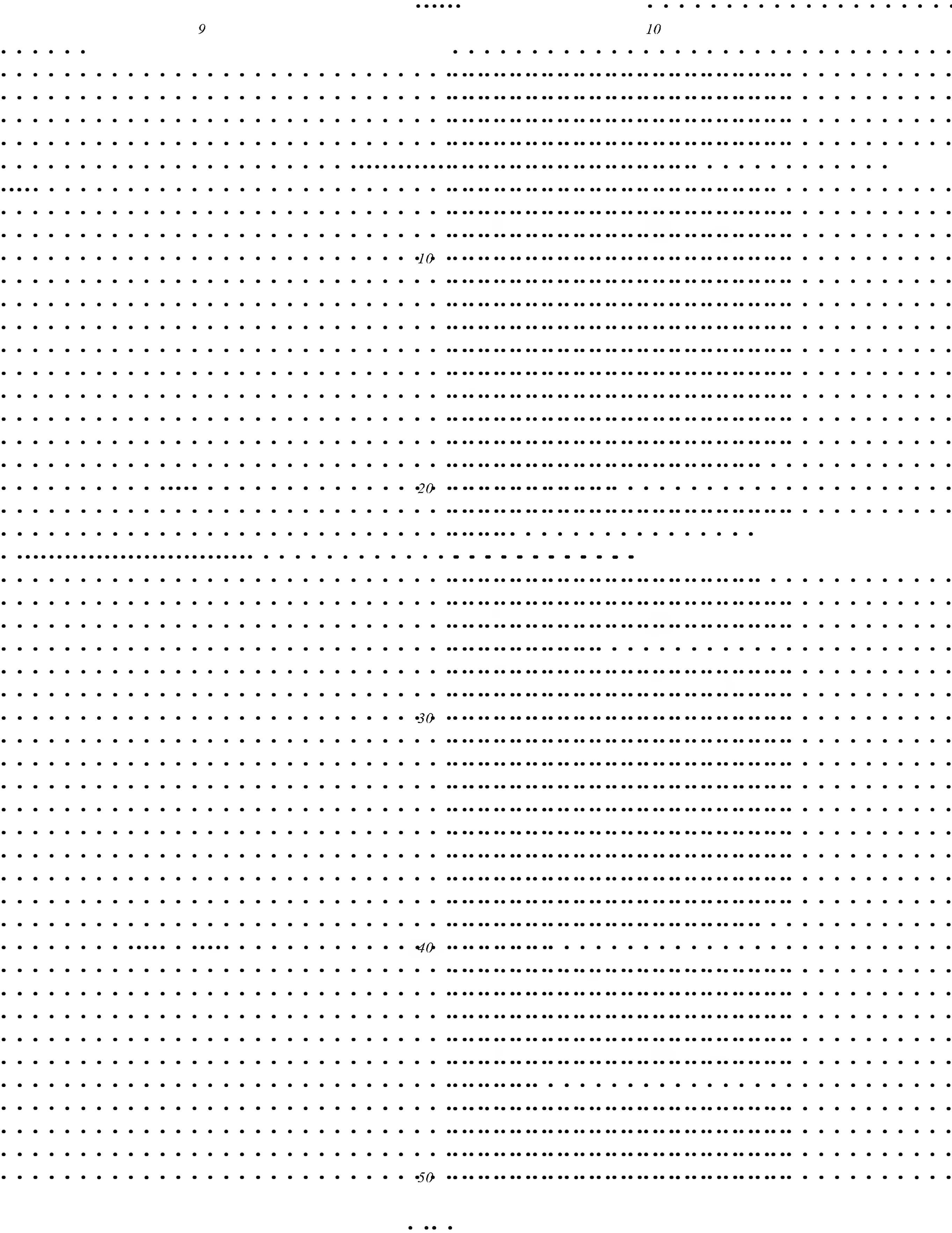
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OID (Hex)	OID Name	Indication	Query	Set	Mandatory
0D010101	OID_802_11_BSSID		X	X	X
0D010102	OID_802_11_SSID		X	X	X
0D010203	OID_802_11_NETWORK_TYPES_SUPPORTED		X		
0D010204	OID_802_11_NETWORK_TYPE_IN_USE		X	X	X
0D010205	OID_802_11_TX_POWER_LEVEL		X	X	
0D010206	OID_802_11_RSSI	X	X		X
0D010207	OID_802_11_RSSI_TRIGGER		X	X	
0D010108	OID_802_11_INFRASTRUCTURE_MODE		X	X	X
0D010209	OID_802_11_FRAGMENTATION_THRESHOLD		X	X	
0D01020A	OID_802_11_RTS_THRESHOLD		X	X	
0D01020B	OID_802_11_NUMBER_OF_ANTENNAS		X		
0D01020C	OID_802_11_RX_ANTENNA_SELECTED		X	X	
0D01020D	OID_802_11_TX_ANTENNA_SELECTED		X	X	
0D01020E	OID_802_11_SUPPORTED_RATES		X		X
0D010210	OID_802_11_DESIRED_RATES		X	X	
0D010211	OID_802_11_CONFIGURATION		X	X	X
0D020212	OID_802_11_STATISTICS		X		
0D010113	OID_802_11_ADD_WEP			X	X
0D010114	OID_802_11_REMOVE_WEP			X	X
0D01011B	OID_802_11_WEP_STATUS		X	X	X
0D010115	OID_802_11_DISASSOCIATE			X	X
0D010216	OID_802_11_POWER_MODE		X	X	
0D010217	OID_802_11_BSSID_LIST		X		X
0D01011A	OID_802_11_BSSID_LIST_SCAN			X	X
0D010118	OID_802_11_AUTHENTICATION_MODE		X	X	X
0D010119	OID_802_11_PRIVACY_FILTER		X	X	

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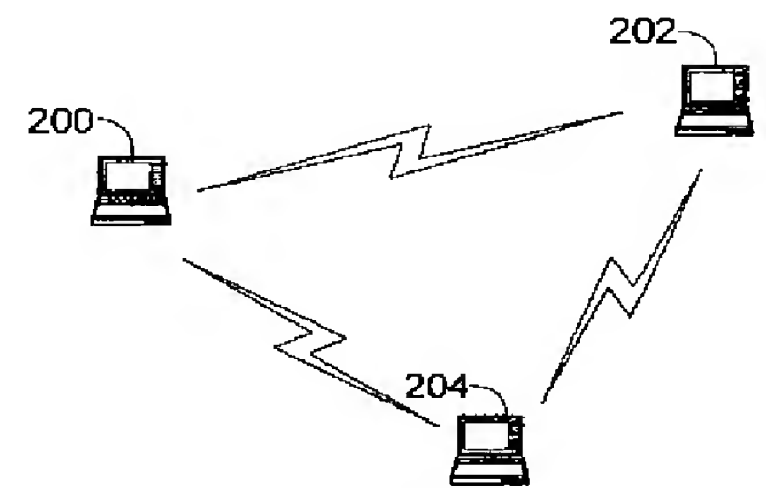
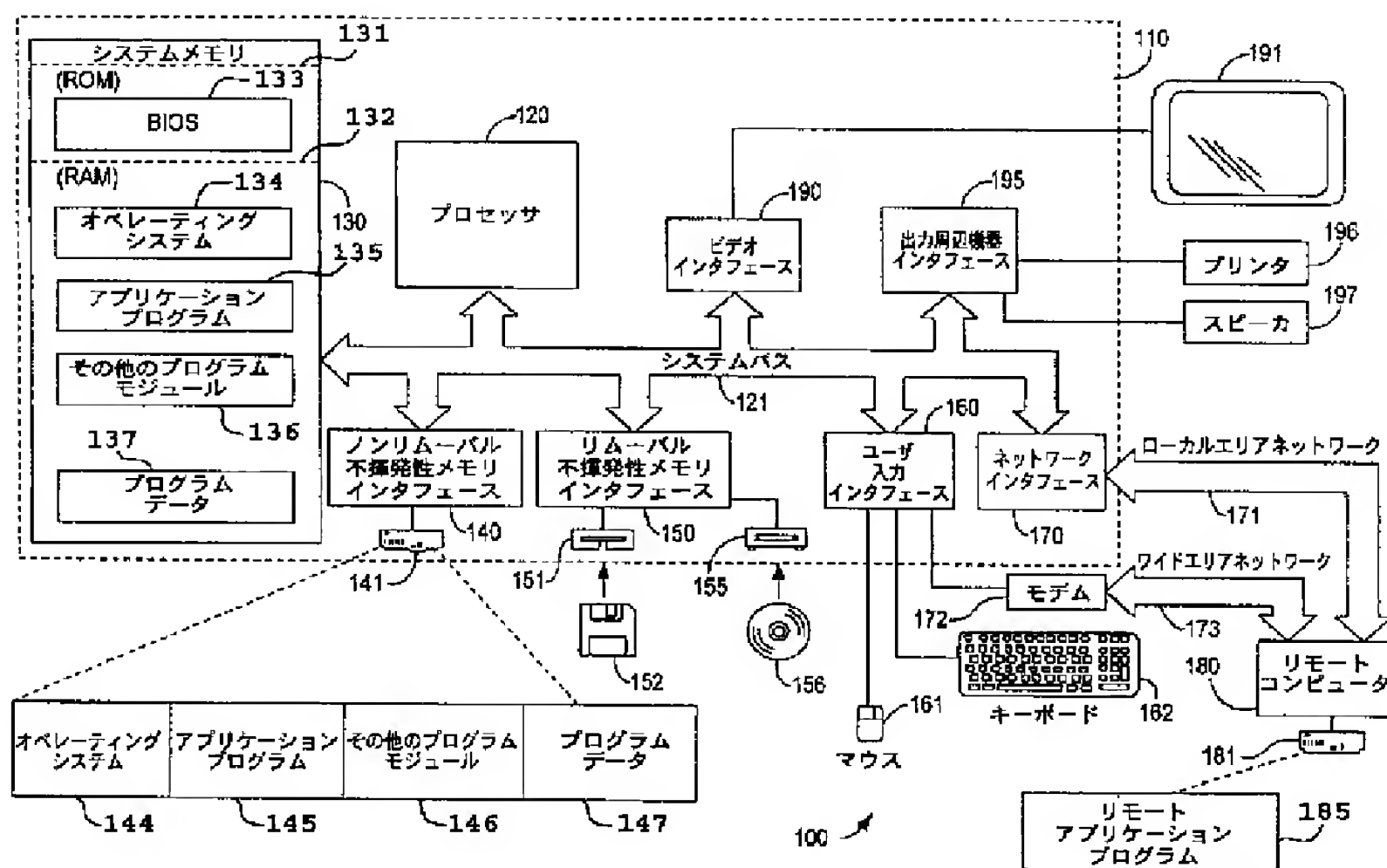
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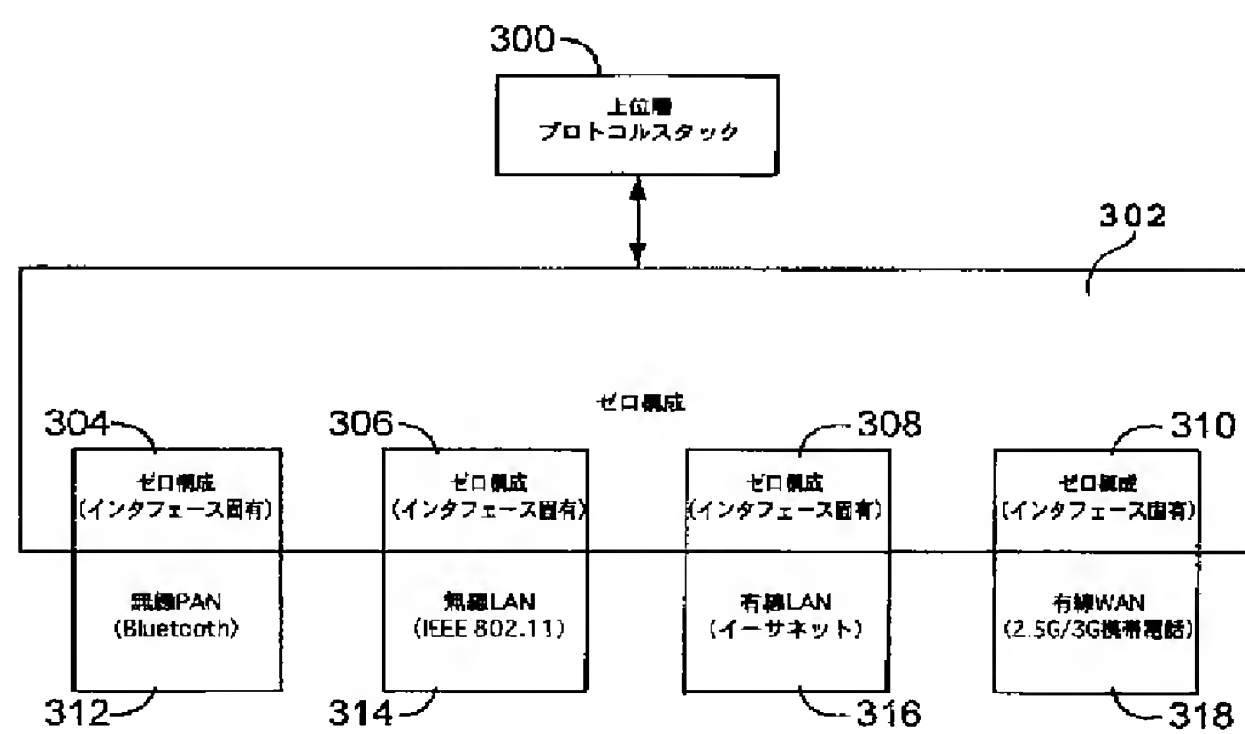
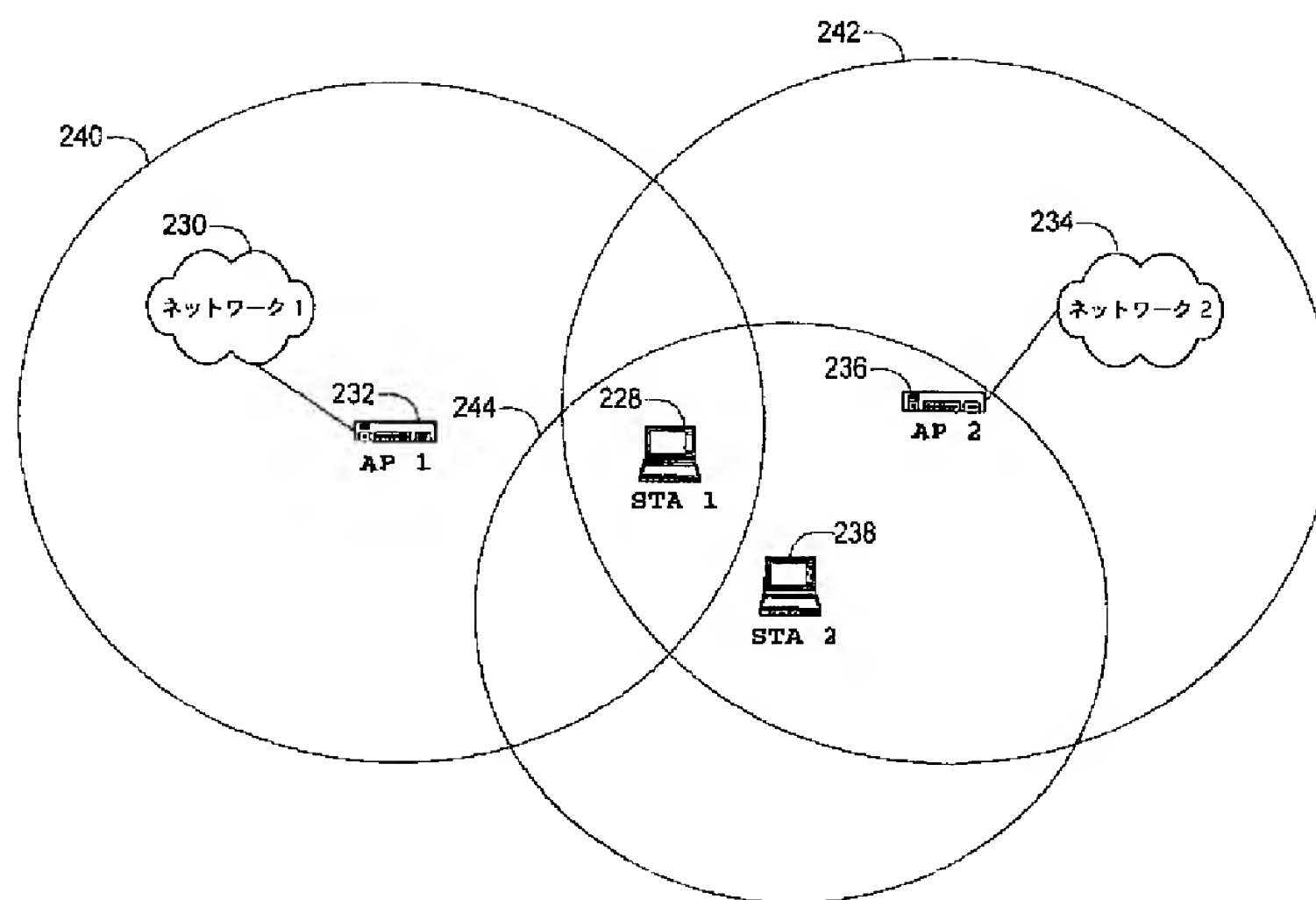
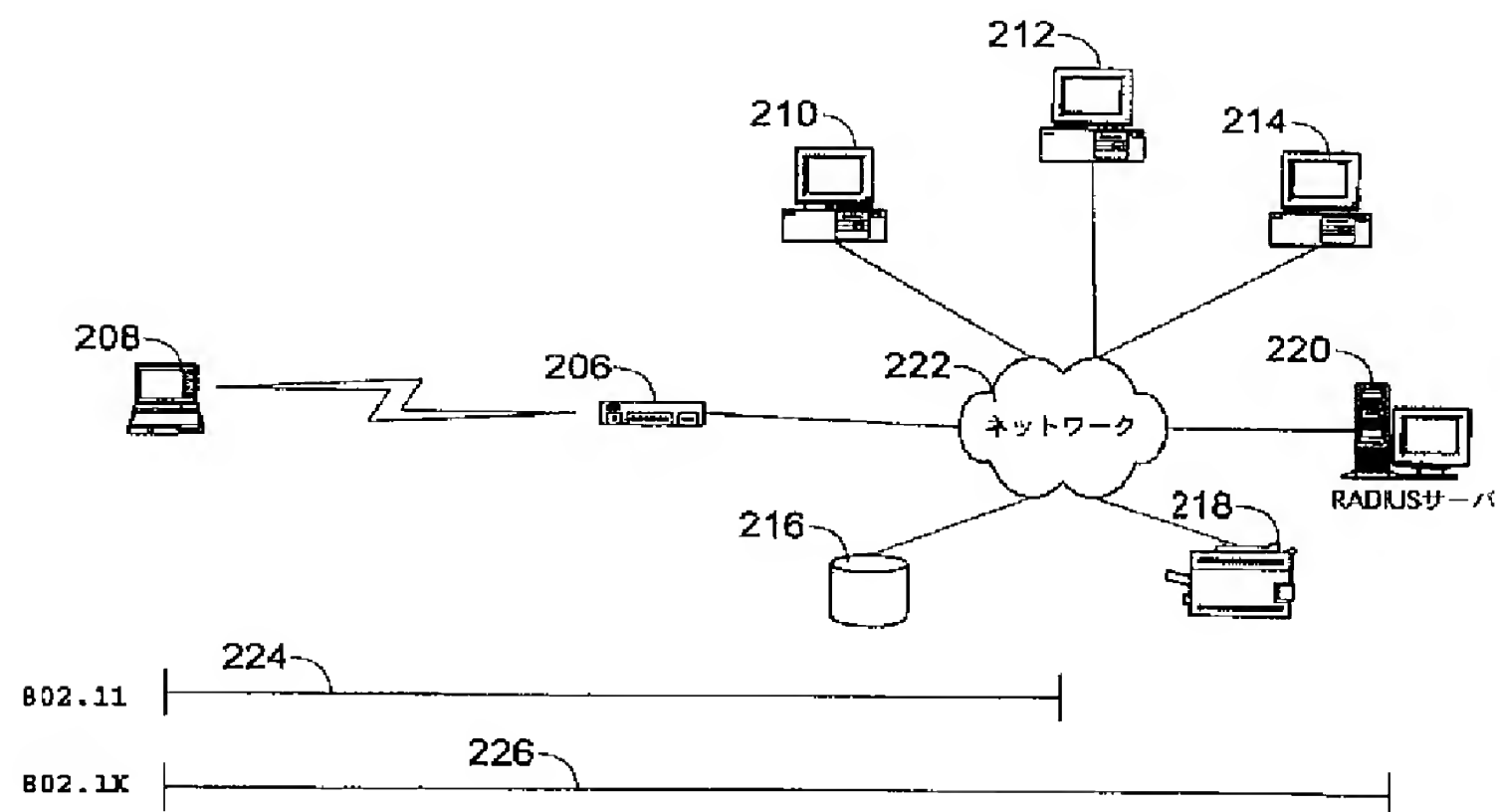
The image displays a 25x25 grid of dots. A 5x5 square of dots is missing from the center, creating a frame-like pattern. The missing dots are located in the rows 10 through 14 and columns 10 through 14. All other positions in the 25x25 grid contain a dot.

Figure 1 displays the evolution of the probability distribution $P(n)$ for different values of the parameter α . The subplots are labeled 10, 20, 30, 40, and 50, corresponding to α values from 0.0 to 1.0 in increments of 0.1. The x-axis represents n (0 to 100), and the y-axis represents $P(n)$ (0 to 1). The distributions show a transition from a single peak at $n=0$ for $\alpha=0.0$ to a broader distribution with a peak at $n=100$ for $\alpha=1.0$.

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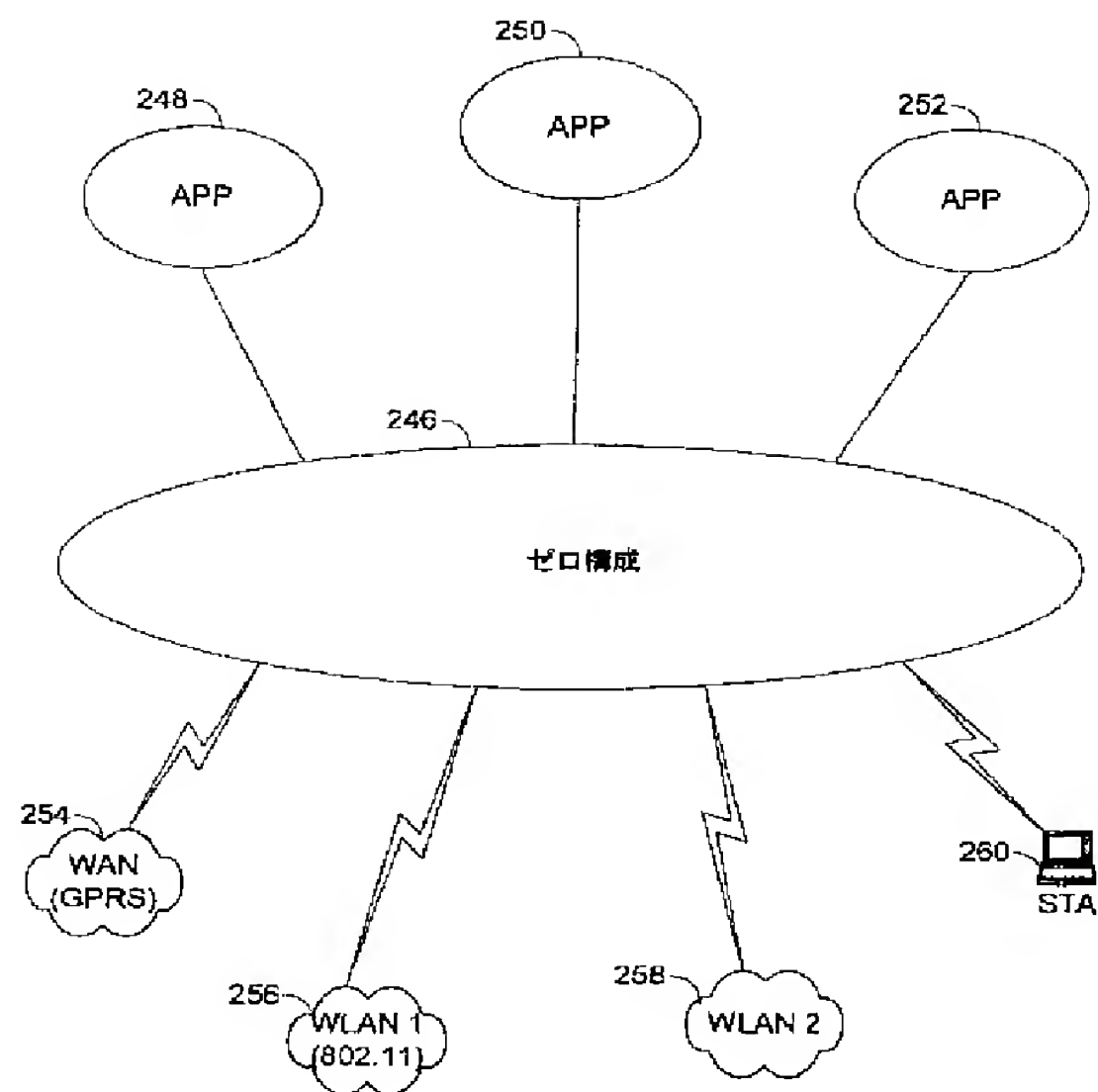




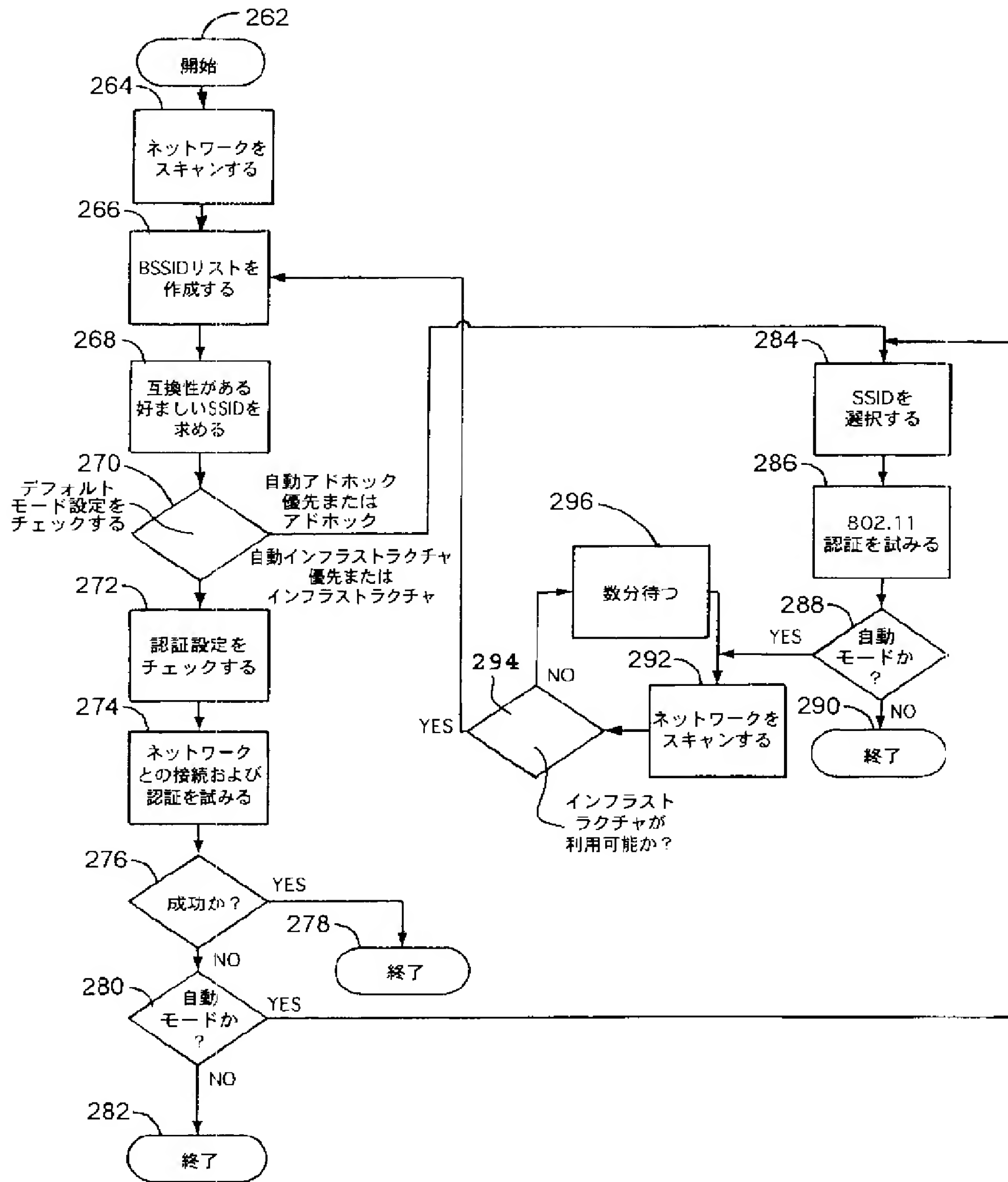
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